



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

AUG 19 2002	Number	10/084,245	
	Filing Date	February 27, 2002	
	First Named Inventor	Kennedy	
	Group Art Unit	1645	
	Examiner Name		
Total number of pages This Submission		Attorney Docket No.	100/14910

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form (in duplicate) <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> No Fee Required <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Info. Disclos. Stmt. (2 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawings <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> PTO Form 1449 (2 pages) 82 references Return Receipt Postcard </div>
Authorization to Charge Deposit Account Please charge Deposit Account No. 03-0177 for any additional fees associated with this paper or during the pendency of this application.		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name	Donald R. McKenna	Reg. No.
		44,922
Signature		
Date	8/16/02	

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August 16, 2002
By Michelle Chan
Michelle Chan

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MICHAEL KENNEDY et al.

Application No.: 10/084,245

Filed: February 27, 2002

For: PRIMING MODULE FOR
MICROFLUIDIC CHIPS

Examiner: Unknown

Art Unit: Unknown

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97
AND 1.98

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Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on the attached form PTO-1449 are being called to the attention of the Examiner. A copy of each reference is enclosed.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is made that a search has been conducted or that this statement encompasses all possible relevant information.

MICHAEL KENNEDY et al.

Serial No. 10/084,245

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Applicants believe that no fee is required for submission of this statement, since it is being submitted within three months of the filing date or prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to charge such fee to Deposit Account No. 03-0177. Please charge any additional fees or credit any overpayment to the above-noted deposit account.

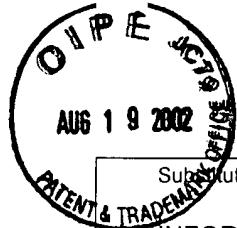
Respectfully submitted,



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Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/084,245
		Filing Date	February 27, 2002
		First Named Inventor	Kennedy
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		Attorney Docket Number	100/14910

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appeal
	AA	4,390,403	Batchelder	06-28-1983	
	AB	4,908,112	Pace	03-13-1990	
	AC	5,126,022	Soane et al.	06-30-1992	
	AD	5,498,392	Wilding et al.	03-12-1996	
	AE	5,571,410	Swedberg et al.	11-05-1996	
	AF	5,585,069	Zanzucchi et al.	12-17-1996	
	AG	5,593,838	Zanzucchi et al.	01-14-1997	
	AH	5,603,351	Cherukuri et al.	02-18-1997	
	AI	5,635,358	Wilding et al.	06-03-1997	
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	AK	5,699,157	Parce	12-16-1997	
	AL	5,716,852	Yager et al.	02-10-1998	
	AM	5,750,015	Soane et al.	05-12-1998	
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	AQ	5,869,004	Parce et al.	02-09-1999	
	AR	5,876,675	Kennedy	03-02-1999	
	AS	5,880,071	Parce et al.	03-09-1999	
	AT	5,882,465	McReynolds	03-16-1999	
	AU	5,885,470	Parce et al.	03-23-1999	
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	AX	5,948,227	Dubrow	09-07-1999	
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	AZ	5,958,694	Nikiforov	09-28-1999	
	BA	5,959,291	Jensen	09-28-1999	
Examiner Signature			Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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	BB	5,965,410		Chow et al.	10-12-1999	
	BC	5,976,336		Dubrow et al.	11-02-1999	
	BD	5,989,402		Chow et al.	11-23-1999	
	BE	6,001,229		Ramsey	12-14-1999	
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	BG	6,012,902		Parce	01-11-2000	
	BH	6,042,709		Parce et al.	03-28-2000	
	BI	6,062,261		Jacobson et al.	05-16-2000	
	BJ	6,074,725		Kennedy	06-13-2000	
	BK	6,100,541		Nagle et al.	08-08-2000	
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	BO	6,280,589		Manz et al.	08-28-2001	

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FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	BP	WO	9604547		Lockheed Martin	02-15-1996		
	BQ	WO	9702357		Affymetrix, Inc.	01-23-1997		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	BR	DASGUPTA, P.K. et al., "Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis," <i>Anal. Chem.</i> (1994) 66:1792-1798			
	BS	EFFENHAUSER, C.S. et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights," <i>Anal. Chem.</i> (1993) 65: 2637-2642			
	BT	EFFENHAUSER, C.S. et al., "High Speed Separation of Oligonucleotides on a Micromachined Capillary Electrophoresis Device," <i>Anal. Chem.</i> (1994) 66: 2949-2953			
	BU	EFFENHAUSER, C.S. et al., "Integrated Capillary Electrophoresis on Flexible Silicone Microdevices: Analysis of DNA Restriction Fragments and Detection of Single DNA Molecules on Microchips," <i>Anal. Chem.</i> (1997) 69: 3451-3457			
Examiner Signature		Date Considered			

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		Attorney Docket Number	100/14910

	BV	FAN, Z.H. et al., "Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," <u>Anal. Chem.</u> (1994) 66: 177-184	RECEIVED TECH LIBRARY AUG 1 1 2002
	BW	FISTER, J.C. III et al., "Counting Single Chromophore Molecules for Ultrasensitive Analysis and Separations on Microchip Devices," <u>Anal. Chem.</u> (1998) 70: 431-437	
	BX	HADD, A.G. et al., "Microfluidic Assays of Acetylcholinesterase," <u>Anal. Chem.</u> (1999) 71: 5206-5212	
	BY	HARRISON, J. et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip," <u>Anal. Chem.</u> (1992) 64: 1926-1932	AUG 8 8 2002
	BZ	HARRISON, J. et al., "Towards Miniaturized Electrophoresis and Chemical Analysis Systems on Silicon: An Alternative to Chemical Sensors*, " <u>Sensors and Actuators B</u> (1993) 10: 107-116	TC 1700
	CA	HARRISON, J. et al., "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip," <u>Science</u> (1993) 261: 895-897	
	CB	HARRISON, D.J. et al., "Integrated Electrophoresis Systems for Biochemical Analyses," <u>Solid-State Sensor and Actuator Workshop</u> (1994) 21-24	
	CC	JACOBSON, S.C. et al., "Effects of Injection Schemes and Column Geometry on the Performance of Microchip Electrophoresis Devices," <u>Anal. Chem.</u> (1994) 66:1107-1113	
	CD	JACOBSON, S.C. et al., "High-Speed Separations on a Microchip," <u>Anal. Chem.</u> (1994) 66: 1114-1118	
	CE	JACOBSON, S.C. et al., "Open Channel Electrochromatography on a Microchip," <u>Anal. Chem.</u> (1994) 66: 2369-2373	
	CF	JACOBSON, S.C. et al., "Precolumn Reactions with Electrophoretic Analysis Integrated on a Microchip," <u>Anal. Chem.</u> (1994) 66: 4127-4132	
	CG	JACOBSON, S.C. et al., "Microchip Electrophoresis with Sample Stacking," <u>Electrophoresis</u> (1995) 16: 481-486	
	CH	JACOBSON, S.C. et al., "Fused Quartz Substrates for Microchip Electrophoresis," <u>Anal. Chem.</u> (1995) 67: 2059-2063	
	CI	JACOBSON, S.C. et al., "Integrated Microdevice for DNA Restriction Fragment Analysis," <u>Anal. Chem.</u> (1996) 68: 720-723	
	CJ	JACOBSON, S.C. et al., "Electrokinetic Focusing in Microfabricated Channel Structures," <u>Anal. Chem.</u> (1997) 69: 3212-3217	
	CK	JACOBSON, S.C. et al., "Microfluidic Devices for Electrokinetically Driven Parallel and Serial Mixing," <u>Anal. Chem.</u> (1999) 71: 4455-4459	

Examiner Signature		Date Considered	
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		Group Art Unit 1645
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CL	MANZ, A. et al., "Miniaturized Total Chemical Analysis Systems: a Novel Concept for Chemical Sensing," <i>Sensors and Actuators</i> (1990) B1: 244-248
CM	MANZ, A. et al., "Micromachining of Monocrystalline Silicon and Glass for Chemical Analysis Systems," <i>Trends in Analytical Chemistry</i> (1991) 10:144-149
CN	MANZ, A. et al., "Planar Chips Technology for Miniaturization and Integration of Separation Techniques into Monitoring Systems," <i>Journal of Chromatography</i> (1992) 593:253-258
CO	MANZ, A. et al., "Planar Chips Technology for Miniaturization of Separation Systems: A Developing Perspective in Chemical Monitoring,"
CP	MANZ, A. et al., "Electroosmotic Pumping and Electrophoretic Separations for Miniaturized Chemical Analysis Systems," <i>J. Micromach. Microeng.</i> (1994) 4: 257-265
CQ	MANZ, A. et al., "Parallel Capillaries for High Throughput in Electrophoretic Separations and Electroosmotic Drug Discovery Systems," <i>International Conference on Solid-State Sensors and Actuators</i> (1997) 915-918
CR	McCORMICK, R.M. et al., "Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates," <i>Anal. Chem.</i> (1997) 69: 2626-2630
CS	MOORE, A.W. et al., "Microchip Separations of Neutral Species via Micellar Electrokinetic Capillary Chromatography," <i>Anal. Chem.</i> (1995) 67: 4184-4189
CT	RAMSEY, J.M. et al., "Microfabricated Chemical Measurement Systems," <i>Nature Medicine</i> (1995) 1:1093-1096
CU	SALIMI-MOOSAVI, H. et al., "Biology Lab-on-a-Chip for Drug Screening," <i>Solid-State Sensor and Actuator Workshop</i> (1998) 350-353
CV	SEILER, K. et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency," <i>Anal. Chem.</i> (1993) 65:1481-1488
CW	SEILER, K. et al., "Electroosmotic Pumping and Valveless Control of Fluid Flow within a Manifold of Capillaries on a Glass Chip," <i>Anal. Chem.</i> (1994) 66:3485-3491
CX	UEDA, M. et al., "Imaging of a Band for DNA Fragment Migrating in Microchannel on Integrated Microchip," <i>Materials Science and Engineering C</i> (2000) 12:33-36
CY	WANG, C. et al., "Integration of Immobilized Trypsin Bead Beds for Protein Degestions within a Microfluidic Chip Incorporating Capillary Electrophoresis Separations and an Electrospray Mass Spectrometry Interface," <i>Rapid Commun. Mass Spectrom.</i> (2000) 14:1377-1383
CZ	WOOLLEY, A.T. et al., "Ultra-High-Speed DNA Fragment Separations Using Microfabricated Capillary Array Electrophoresis Chips," <i>Proc. Natl. Acad. Sci. USA</i> (1994) 91:11348-11352
DA	WOOLLEY, A.T. et al., "Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device," <i>Anal. Chem.</i> (1996) 68: 4081-4086

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Examiner Signature		Date Considered
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(Modified) PTO/SB/08A-B (10-96)
Approved for use through 10/31/99. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Application Number	10/084,245
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	DB	WOOLLEY, A.T. et al., "High-Speed DNA Genotyping Using Microfabricated Capillary Array Electrophoresis Chips," <u>Anal. Chem.</u> (1997) 69:2181-2186	AUG 24 2002 TECH DEVICES 100/14910
	DC	WOOLLEY, A.T. et al., "Capillary Electrophoresis Chips with Integrated Electrochemical Detection," <u>Anal. Chem.</u> (1998) 70: 684-688	
	DD	ZHANG, B. et al., "Microfabricated Devices for Capillary Electrophoresis-Electrospray Mass Spectrometry," <u>Anal. Chem.</u> (1999) 71:3258-3264	

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